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DIMENSIONAL STANDARD · ASME B16.9

ASME B16.9 Reducer Weight Chart (kg)

ASME B16.9 concentric and eccentric reducer weight chart in kg by large-end size and schedule, SCH 10S to SCH 80.

This chart gives approximate **ASME B16.9 reducer weights** in kilograms by large-end size and wall schedule, SCH 10S to SCH 80. Concentric and eccentric reducers of the same size have the same length and almost the same weight.

Teshi Group manufactures these fittings in India in carbon, low-temperature, alloy, stainless, duplex and nickel-alloy grades, with EN 10204 3.1 certificates.

kg Approximate weight per piece by wall schedule or class

Concentric / eccentric reducer — weight by schedule (kg)

NPS	DN	SCH10S kg	SCH20 kg	STD kg	SCH40 kg	XS kg	SCH80 kg
3/4"	20	0.05	—	0.08	0.08	0.1	0.1
1"	25	0.1	—	0.17	0.17	0.2	0.2
1 1/4"	32	0.13	—	0.21	0.21	0.25	0.25
1 1/2"	40	0.2	—	0.29	0.29	0.35	0.35
2"	50	0.28	—	0.42	0.42	0.58	0.58
2 1/2"	65	0.45	—	0.8	0.8	1.03	1.03
3"	80	0.55	—	1.05	1.05	1.42	1.42
3 1/2"	90	0.74	—	1.36	1.36	1.89	1.89
4"	100	0.84	—	1.63	1.63	2.27	2.27
5"	125	1.38	—	2.77	2.77	3.93	3.93
6"	150	1.85	—	3.96	3.96	5.95	5.95
8"	200	2.8	—	6.31	6.31	9.26	9.26
10"	250	4.6	7.85	10.7	10.7	14.5	17.5
12"	300	7	11.2	15.8	16.3	20.9	25.1
14"	350	14	25.6	28.8	32.1	37.1	56.5
16"	400	17.5	30.5	38.5	48.8	48.8	79
18"	450	21.5	35.2	44.5	64.3	58.5	102
20"	500	36	62.7	62.7	98.5	80.4	165
22"	550	38	72.6	72.6	—	93.8	181
24"	600	47.5	97.1	79.1	142	101	226
26"	650	—	130	99.9	—	130	—
28"	700	—	142	110	—	142	—
30"	750	85	152	119	—	152	—
32"	800	—	151	125	208	151	—
34"	850	—	171	132	231	171	—

NPS	DN	SCH10S kg	SCH20 kg	STD kg	SCH40 kg	XS kg	SCH80 kg
36"	900	—	180	140	262	180	—
38"	950	—	—	148	—	194	—
40"	1000	—	—	156	—	203	—
42"	1050	—	—	178	—	235	—
44"	1100	—	—	189	—	244	—
46"	1150	—	—	199	—	257	—
48"	1200	—	—	210	—	269	—
52"	1300	—	—	223	—	—	—
56"	1400	—	—	241	—	—	—
60"	1500	—	—	258	—	—	—

Notes

- Weights are approximate net weights per piece in kg for carbon steel, for estimation, freight and packing only. For austenitic stainless steel multiply by about 1.01–1.02.
- Reference values for estimation and checking. Verify against the current edition of the standard and the purchase specification before design, purchase or fabrication.

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions. Online version: https://teshigroup.com/dimensional-standards/asme-b16-9-reducer-weight-chart/